DAFTAR PUSTAKA

Akçok, S., Çaĝir, A., 2010. Synthesis of stilbene-fused 2′-hydroxychalcones and flavanones. *Bioorg. Chem*. **38**, 139–143.

Ashok, M., Holla, B.S., Kumari, N.S., 2007. Convenient one pot synthesis of some novel derivatives of thiazolo[2,3-b]dihydropyrimidinone possessing 4-methylthiophenyl moiety and evaluation of their antibacterial and antifungal activities. *Eur. J. Med. Chem*. **42**, 380–385.

Barbosa, T.P., Sousa, S.C.O., Amorim, F.M., Rodrigues, Y.K.S., De Assis, P.A.C., Caldas, J.P.A., Oliveira, M.R., Vasconcellos, M.L.A.A., 2011. Design, synthesis and antileishmanial in vitro activity of new series of chalcones-like compounds: A molecular hybridization approach. *Bioorganic Med. Chem*. **19**, 4250–4256.

Chalal, M., Vervandier-Fasseur, D., Meunier, P., Cattey, H., Hierso, J.C., 2012. Syntheses of polyfunctionalized resveratrol derivatives using Wittig and Heck protocols. *Tetrahedron* **68**, 3899–3907.

Claudio Viegas-Junior, Eliezer J. Barreiro, Carlos Alberto Manssour Fraga, 2007. Molecular Hybridization: A Useful Tool in the Design of New Drug Prototypes. *Curr. Med. Chem*. **14**, 1829–1852.

Dong, F., Jian, C., Kai, G., Qunrong, S., Zuliang, L., 2008. Synthesis of coumarins via pechmann reaction in water catalyzed by acyclic acidic ionic liquids. *Catal. Letters* **121**, 255–259.

Fessenden, Ralph J. and Joan S Fessenden., *Organic Chemistry*, Third edition, Wadsworth, Inc., Belmount, California

Ganga, V.S.R., Abdi, S.H.R., Kureshy, R.I., Khan, N.U.H., Bajaj, H.C., 2016. P-Toluene sulfonic acid (PTSA)-MCM-41 as a green, efficient and reusable heterogeneous catalyst for the synthesis of jasminaldehyde under solvent-free condition. *J. Mol. Catal. A Chem*. **420**, 264–271.

Gilchrist T.L., 1992, *Heterocyclic Chemistry*, 2nd edition, Longman Scientific an Technical, New York

Kappe, C.O., 2000. Biologically active dihydropyrimidones of the Biginelli-type - A literature survey. *Eur. J. Med.Chem*. **35**, 1043–1052.

Karthikeyan, C., Solomon, V.R., Lee, H., Trivedi, P., 2013. Design, synthesis and biological evaluation of some isatin-linked chalcones as novel anti-breast cancer agents: A molecular hybridization approach. *Biomed. Prev. Nutr*. **3,** 325–330.

Kaur Manjal, S., Kaur, R., Bhatia, R., Kumar, K., Singh, V., Shankar, R., Kaur, R., Rawal, R.K., 2017. Synthetic and medicinal perspective of thiazolidinones: A review. *Bioorg. Chem*. **75,** 406–423.

Kumar, M., Srivastava, M., Yadav, R.A., 2013. Vibrational studies of benzene, pyridine, pyridine-N-oxide and their cations. *Spectrochim. Acta - Part A Mol. Biomol. Spectrosc*. **111**, 242–251.

Li, Z., Zhao, H., Han, H., Liu, Y., Song, J., Guo, W., Chu, W., Sun, Z., 2017. Graphene-supported ZnO nanoparticles: An efficient heterogeneous catalyst for the Claisen-Schmidt condensation reaction without additional base. *Tetrahedron Lett*. **58**, 3984–3988.

Matos, L.H.S., Masson, F.T., Simeoni, L.A., Homem-de-Mello, M., 2018. Biological activity of dihydropyrimidinone (DHPM) derivatives: A systematic review. *Eur. J. Med*. Chem. **143**, 1779–1789.

Ming, L.S., Jamalis, J., Al-Maqtari, H.M., Rosli, M.M., Sankaranarayanan, M., Chander, S., Fun, H.K., 2017. Synthesis, characterization, antifungal activities and crystal structure of thiophene-based heterocyclic chalcones. *Chem. Data Collect*. **9–10**, 104–113.

Mostafa, A.S., Selim, K.B., 2018. Synthesis and anticancer activity of new dihydropyrimidinone derivatives. *Eur. J. Med. Chem*. **156**, 304–315.

Oh, W.Y., Shahidi, F., 2018. Antioxidant activity of resveratrol ester derivatives in food and biological model systems. *Food Chem*. **261**, 267–273.

Rajakumar, P., Gayatri Swaroop, M., Jayavelu, S., Murugesan, K., 2006. Synthesis, complexation studies and biological applications of some novel stilbenophanes, indolophanes and bisindolostilbenophanes via McMurry coupling. *Tetrahedron* **62,** 12041–12050.

Rameau, N., Russo, B., Mangematin, S., Pinel, C., Djakovitch, L., 2018. Stilbene synthesis through decarboxylative cross-coupling of substituted cinnamic acids with aryl halides. *Appl. Catal. A Gen*. **560**, 132–143.

Rioux, B., Pouget, C., Fidanzi-Dugas, C., Gamond, A., Laurent, A., Semaan, J., Pinon, A., Champavier, Y., Léger, D.Y., Liagre, B., Duroux, J.L., Fagnère, C., Sol, V., 2017. Design and multi-step synthesis of chalcone-polyamine conjugates as potent antiproliferative agents. *Bioorganic Med. Chem. Lett*. **27**, 4354–4357.

Rocha, L.W., Sonza, D.R., Broering, M.F., Nunes, R., de Campos-Buzzi, F., Corrêa, R., Silva, R.L., Cunha, T.M., Santin, J.R., Quintão, N.L.M., 2018. Synthetic chalcones as potential tool for acute- and chronic-pain control. *Biomed. Pharmacother*. **104**, 437–450.

Sheykhan, M., Yahyazadeh, A., Ramezani, L., 2017. A novel cooperative Lewis acid/BrØnsted base catalyst Fe3O4@SiO2-APTMS-Fe(OH)2: An efficient catalyst for the Biginelli reaction. *Mol. Catal*. **435**, 166–173.

Stefani, H.A., Oliveira, C.B., Almeida, R.B., Pereira, C.M.P., Braga, R.C., Cella, R., Borges, V.C., Savegnago, L., Nogueira, C.W., 2006. Dihydropyrimidin-(2H)-ones obtained by ultrasound irradiation: a new class of potential

antioxidant agents. *Eur. J. Med. Chem*. **41,** 513–518.

Taha, M., Ismail, N.H., Ali, M., Rashid, U., Imran, S., Uddin, N., Khan, K.M., 2017. Molecular hybridization conceded exceptionally potent quinolinyl-oxadiazole hybrids through phenyl linked thiosemicarbazide antileishmanial scaffolds: In silico validation and SAR studies. *Bioorg. Chem*. **71**, 192–200.

Tang, Y.-W., Shi, C.-J., Yang, H.-L., Cai, P., Liu, Q.-H., Yang, X.-L., Kong, L.-Y., Wang, X.-B., 2018. Synthesis and evaluation of isoprenylation-resveratrol dimer derivatives against Alzheimer's disease. *Eur. J. Med. Chem.*

Tayebee, R., Ghadamgahi, M., 2017. Solvent free one-pot multi-component synthesis of 3,4-dihydropyrimidin-2(1H)-ones catalyzed by mesoporous NH4H2PO4/MCM-41 as an environmentally friendly, cheap, and effective catalyst. *Arab. J. Chem*. **10**, S757–S764.

Wen, R., Lv, H., Jiang, Y., Tu, P., 2018. Anti-inflammatory isoflavones and isoflavanones from the roots of Pongamia pinnata (L.) Pierre. *Bioorganic Med. Chem. Lett*. **28**, 1050–1055.

Winter, C., Caetano, J.N., Araújo, A.B.C., Chaves, A.R., Ostroski, I.C., Vaz, B.G., Pérez, C.N., Alonso, C.G., 2016. Activated carbons for chalcone production: Claisen-Schmidt condensation reaction. *Chem. Eng. J*. **303**, 604–610.

Yu, H., Xu, P., He, H., Zhu, J., Lin, H., Han, S., 2017. Highly enantioselective Biginelli reactions using methanopyroline/thiourea – based dual organocatalyst systems: asymmetric synthesis of 4-substituted unsaturated aryl dihydropyrimidines. *Tetrahedron Asymmetry* **28**, 257–265.

Zhang, S., Saathoff, J.M., He, L., 2017. Molecular Hybridization: An Emerging Tool for the Design of Novel Therapeutics for Alzheimer's Disease, Design of Hybrid Molecules for Drug Development. *Elsevier Ltd*.

Zhao, Q., Sun, J., Liu, B., He, J., 2013. Synthesis of stilbene, 1,4-distyrylbenzene and 4,4′-distyrylbiphenyl via Horner-Wadsworth-Emmons reaction in phase-transfer catalysis system. *Dye. Pigment*. **99**, 339–347.

Zhou, L., Yuan, F., Zhou, Y., Duan, W., Zhang, M., Deng, H., Song, L., 2018. Convenient one-pot MCRs to trifluoromethylated spiropiperidine under catalyst-free conditions. *Tetrahedron* **74**, 3761–3769.